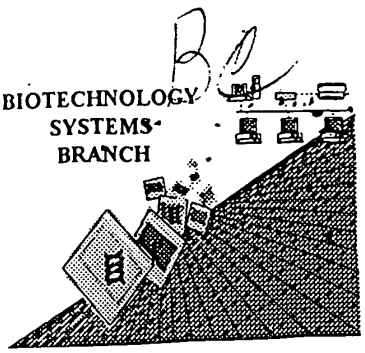

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/857815

Source: PCT09

Date Processed by STIC: 10/29/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-421
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/che er

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION

SERIAL NUMBER: 09/857815

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PT

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequen <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown is Artificial Sequence
11	Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n	'n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represe any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

[redacted]

PCT09

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/857,815 TIME: 13:12:54

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

```
      2 <110> APPLICANT: Takeda Chemical Industries, Ltd.
W-->  3 <120> TITLE OF INVENTION: Betacellulin Mutein
W-->  4 <130> FILE REFERENCE: 2576WO0P
C-->  5 <140> CURRENT APPLICATION NUMBER: US/09/857,815
C-->  5 <141> CURRENT FILING DATE: 2001-06-08
      5 <150> PRIOR APPLICATION NUMBER: JP 10-350377
      6 <151> PRIOR FILING DATE: 1998-12-09
      7 <150> PRIOR APPLICATION NUMBER: JP 11-55326
      8 <151> PRIOR FILING DATE: 1999-03-03
W-->  9 <160> NUMBER OF SEQ ID: 56
W--> 10 <210> SEQ ID NO: 1
     11 <211> LENGTH: 77
     12 <212> TYPE: PRT
     13 <213> ORGANISM: Artificial Sequence
W--> 14 <220> FEATURE:
W--> 14 <223> OTHER INFORMATION:
W--> 14 <400> SEQUENCE: 1
     15 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
     16  1               5                  10                  15
     17 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
     18             20                  25                  30
     19 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
     20         35                  40                  45
     21 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
     22      50                  55                  60
     23 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Asp
     24 65                  70                  75
     25 <210> SEQ ID NO: 2
     26 <211> LENGTH: 76
     27 <212> TYPE: PRT
     28 <213> ORGANISM: Artificial Sequence
W--> 29 <220> FEATURE:
W--> 29 <223> OTHER INFORMATION:
W--> 29 <400> SEQUENCE: 2
     30 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
     31  1               5                  10                  15
     32 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
     33             20                  25                  30
     34 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
     35         35                  40                  45
     36 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
     37      50                  55                  60
     38 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val
     39 65                  70                  75
     40 <210> SEQ ID NO: 3
     41 <211> LENGTH: 47
     42 <212> TYPE: PRT
```

Does Not Comply
Corrected Diskette Needed

Errored

Errored

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/857,815 TIME: 13:12:54

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

```
     43 <213> ORGANISM: Artificial Sequence
W--> 44 <220> FEATURE:
W--> 44 <223> OTHER INFORMATION:
W--> 44 <400> SEQUENCE: 3
     45 Arg Lys Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys
     46  1               5                  10                  15
     47 Ile Lys Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys
     48             20                  25                  30
     49 Val Cys Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Asp
     50         35                  40                  45
     51 <210> SEQ ID NO: 4
     52 <211> LENGTH: 46
     53 <212> TYPE: PRT
     54 <213> ORGANISM: Artificial Sequence
W--> 55 <220> FEATURE:
W--> 55 <223> OTHER INFORMATION:
W--> 55 <400> SEQUENCE: 4
     56 Arg Lys Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys
     57  1               5                  10                  15
     58 Ile Lys Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys
     59             20                  25                  30
     60 Val Cys Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val
     61         35                  40                  45
     62 <210> SEQ ID NO: 5
     63 <211> LENGTH: 79
     64 <212> TYPE: PRT
     65 <213> ORGANISM: Artificial Sequence
W--> 66 <220> FEATURE:
W--> 66 <223> OTHER INFORMATION:
W--> 66 <400> SEQUENCE: 5
     67 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
     68  1               5                  10                  15
     69 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
     70             20                  25                  30
     71 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
     72         35                  40                  45
     73 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
     74      50                  55                  60
     75 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Leu Phe Tyr
     76 65                  70                  75
     77 <210> SEQ ID NO: 6
     78 <211> LENGTH: 78
     79 <212> TYPE: PRT
     80 <213> ORGANISM: Artificial Sequence
W--> 81 <220> FEATURE:
W--> 81 <223> OTHER INFORMATION:
W--> 81 <400> SEQUENCE: 6
     82 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
     83  1               5                  10                  15
```

Errored

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

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The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/857,815 TIME: 13:12:54

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

```
    84 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
    85             20                  25                  30
    86 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
    87         35                  40                  45
    88 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
    89      50                  55                  60
    90 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Leu Phe
    91 65                  70                  75
    92 <210> SEQ ID NO: 7
    93 <211> LENGTH: 77
    94 <212> TYPE: PRT
    95 <213> ORGANISM: Artificial Sequence
W--> 96 <220> FEATURE:
W--> 96 <223> OTHER INFORMATION:
W--> 96 <400> SEQUENCE: 7
    97 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
    98  1               5                  10                  15
    99 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
   100             20                  25                  30
   101 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
   102         35                  40                  45
   103 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
   104      50                  55                  60
   105 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Leu
   106 65                  70                  75
   107 <210> SEQ ID NO: 8
   108 <211> LENGTH: 79
   109 <212> TYPE: PRT
   110 <213> ORGANISM: Artificial Sequence
W--> 111 <220> FEATURE:
W--> 111 <223> OTHER INFORMATION:
W--> 111 <400> SEQUENCE: 8
   112 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
   113  1               5                  10                  15
   114 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
   115             20                  25                  30
   116 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
   117         35                  40                  45
   118 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
   119      50                  55                  60
   120 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Asp Phe Tyr
   121 65                  70                  75
   122 <210> SEQ ID NO: 9
   123 <211> LENGTH: 78
   124 <212> TYPE: PRT
   125 <213> ORGANISM: Artificial Sequence
W--> 126 <220> FEATURE:
W--> 126 <223> OTHER INFORMATION:
W--> 126 <400> SEQUENCE: 9
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Errored

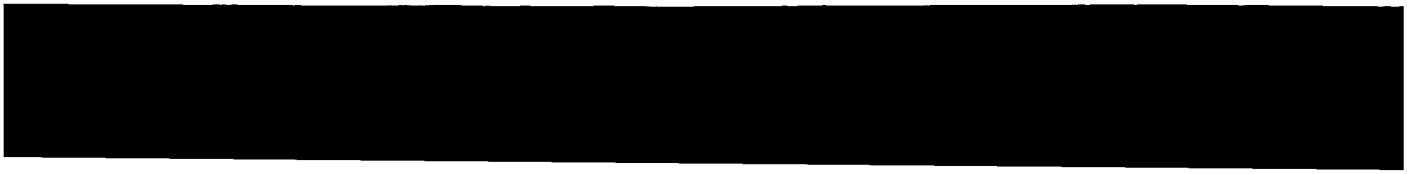
Errored

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/857,815 TIME: 13:12:54

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

```
     127 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
     128  1               5                  10                  15
     129 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
     130             20                  25                  30
     131 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
     132         35                  40                  45
     133 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
     134     50                  55                  60
     135 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Asp Phe
     136 65                  70                  75
     137 <210> SEQ ID NO: 10
     138 <211> LENGTH: 49
     139 <212> TYPE: PRT
     140 <213> ORGANISM: Artificial Sequence
W--> 141 <220> FEATURE:
W--> 141 <223> OTHER INFORMATION:
W--> 141 <400> SEQUENCE: 10
     142 Arg Lys Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys
     143  1               5                  10                  15
     144 Ile Lys Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys
     145             20                  25                  30
     146 Val Cys Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Leu Phe
     147         35                  40                  45
     148 Tyr
     149 <210> SEQ ID NO: 11
     150 <211> LENGTH: 48
     151 <212> TYPE: PRT
     152 <213> ORGANISM: Artificial Sequence
W--> 153 <220> FEATURE:
W--> 153 <223> OTHER INFORMATION:
W--> 153 <400> SEQUENCE: 11
     154 Arg Lys Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys
     155  1               5                  10                  15
     156 Ile Lys Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys
     157             20                  25                  30
     158 Val Cys Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Leu Phe
     159         35                  40                  45
     160 <210> SEQ ID NO: 12
     161 <211> LENGTH: 47
     162 <212> TYPE: PRT
     163 <213> ORGANISM: Artificial Sequence
W--> 164 <220> FEATURE:
W--> 164 <223> OTHER INFORMATION:
W--> 164 <400> SEQUENCE: 12
     165 Arg Lys Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys
     166  1               5                  10                  15
     167 Ile Lys Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys
     168             20                  25                  30
     169 Val Cys Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Leu
```

RAW SEQUENCE LISTING DATE: 10/29/2001
PATENT APPLICATION: US/09/857,815 TIME: 13:12:54

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

```
     170         35                  40                  45
     171 <210> SEQ ID NO: 13
     172 <211> LENGTH: 49
     173 <212> TYPE: PRT
     174 <213> ORGANISM: Artificial Sequence
W--> 175 <220> FEATURE:
W--> 175 <223> OTHER INFORMATION:
W--> 175 <400> SEQUENCE: 13
     176 Arg Lys Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys
     177  1               5                  10                  15
     178 Ile Lys Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys
     179             20                  25                  30
     180 Val Cys Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Asp Phe
     181         35                  40                  45
     182 Tyr
     183 <210> SEQ ID NO: 14
     184 <211> LENGTH: 48
     185 <212> TYPE: PRT
     186 <213> ORGANISM: Artificial Sequence
W--> 187 <220> FEATURE:
W--> 187 <223> OTHER INFORMATION:
W--> 187 <400> SEQUENCE: 14
     188 Arg Lys Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys
     189  1               5                  10                  15
     190 Ile Lys Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys
     191             20                  25                  30
     192 Val Cys Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Asp Phe
     193         35                  40                  45
     194 <210> SEQ ID NO: 15
     195 <211> LENGTH: 231
     196 <212> TYPE: DNA
     197 <213> ORGANISM: Artificial Sequence
W--> 198 <220> FEATURE:
W--> 198 <223> OTHER INFORMATION:
W--> 198 <400> SEQUENCE: 15
C--> 199 gatgggaatt ccaccagaag tcctgaaact aatggcctcc tctgtggaga ccctgaggaa   60
     200 aactgtgcag ctaccaccac acaatcaaag cggaaaggcc acttctctag gtgccccaag  120
     201 caatacaagc attactgcat caaagggaga tgccgcttcg tggtggccga gcagacgccc  180
     202 tcctgtgtct gtgatgaagg ctacattgga gcaaggtgtg agagagttga c           231
     203 <210> SEQ ID NO: 16
     204 <211> LENGTH: 228
     205 <212> TYPE: DNA
     206 <213> ORGANISM: Artificial Sequence
W--> 207 <220> FEATURE:
W--> 207 <223> OTHER INFORMATION:
W--> 207 <400> SEQUENCE: 16
C--> 208 gatgggaatt ccaccagaag tcctgaaact aatggcctcc tctgtggaga ccctgaggaa   60
     209 aactgtgcag ctaccaccac acaatcaaag cggaaaggcc acttctctag gtgccccaag  120
     210 caatacaagc attactgcat caaagggaga tgccgcttcg tggtggccga gcagacgccc  180
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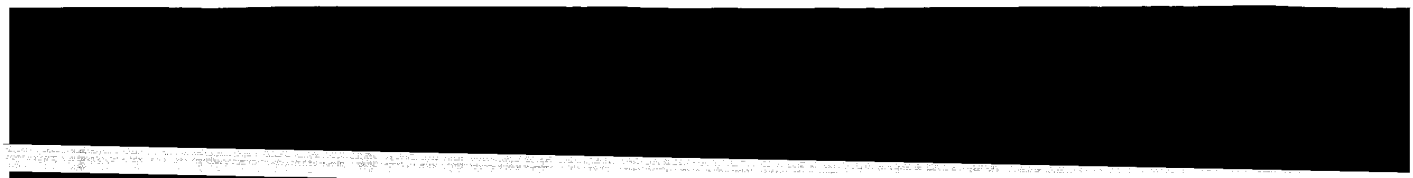

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/857,815

DATE: 10/29/2001
TIME: 13:12:55

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:4 M:283 W: Missing Blank Line separator, <130> field identifier
L:5 M:270 C: Current Application Number differs, Replaced Current Application No
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:9 M:283 W: Missing Blank Line separator, <160> field identifier
L:10 M:283 W: Missing Blank Line separator, <210> field identifier
L:14 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:14 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:14 M:283 W: Missing Blank Line separator, <400> field identifier
L:29 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:29 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:29 M:283 W: Missing Blank Line separator, <400> field identifier
L:44 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:44 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:44 M:283 W: Missing Blank Line separator, <400> field identifier
L:55 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:55 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:55 M:283 W: Missing Blank Line separator, <400> field identifier
L:66 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:66 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:66 M:283 W: Missing Blank Line separator, <400> field identifier
L:81 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:81 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:81 M:283 W: Missing Blank Line separator, <400> field identifier
L:96 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:96 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:96 M:283 W: Missing Blank Line separator, <400> field identifier
L:111 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:111 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:111 M:283 W: Missing Blank Line separator, <400> field identifier
L:126 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:126 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:126 M:283 W: Missing Blank Line separator, <400> field identifier
L:141 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:141 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:141 M:283 W: Missing Blank Line separator, <400> field identifier
L:153 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:153 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:153 M:283 W: Missing Blank Line separator, <400> field identifier
L:164 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:164 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:164 M:283 W: Missing Blank Line separator, <400> field identifier
L:175 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:175 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:175 M:283 W: Missing Blank Line separator, <400> field identifier
L:187 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:187 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:187 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY DATE: 10/29/2001
PATENT APPLICATION: US/09/857,815 TIME: 13:12:55

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

L:198 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:198 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:198 M:283 W: Missing Blank Line separator, <400> field identifier
L:199 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=15
L:207 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:207 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:207 M:283 W: Missing Blank Line separator, <400> field identifier
L:208 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=16
L:216 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:216 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:216 M:283 W: Missing Blank Line separator, <400> field identifier
L:217 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=17
L:224 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:224 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:224 M:283 W: Missing Blank Line separator, <400> field identifier
L:225 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=18
L:232 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:232 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:232 M:283 W: Missing Blank Line separator, <400> field identifier
L:233 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=19
L:241 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:241 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:241 M:283 W: Missing Blank Line separator, <400> field identifier
L:242 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=20
L:250 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:250 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:250 M:283 W: Missing Blank Line separator, <400> field identifier
L:251 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=21
L:259 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:259 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:259 M:283 W: Missing Blank Line separator, <400> field identifier
L:260 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=22
L:268 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:268 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:268 M:283 W: Missing Blank Line separator, <400> field identifier
L:269 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=23
L:277 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:277 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:277 M:283 W: Missing Blank Line separator, <400> field identifier
L:278 M:112 C: (48) String data converted to lower case,

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PATENT APPLICATION: US/09/857,815 TIME: 13:12:55

Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

M:112 Repeated in SeqNo=24
L:285 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:285 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:285 M:283 W: Missing Blank Line separator, <400> field identifier
L:286 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=25
L:293 M:283 W: Missing Blank Line separator, <400> field identifier
L:294 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=26
L:301 M:283 W: Missing Blank Line separator, <400> field identifier
L:302 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=27
L:309 M:283 W: Missing Blank Line separator, <400> field identifier
L:310 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=28
L:317 M:283 W: Missing Blank Line separator, <400> field identifier
L:318 M:112 C: (48) String data converted to lower case,
L:323 M:283 W: Missing Blank Line separator, <400> field identifier
L:324 M:112 C: (48) String data converted to lower case,
L:329 M:283 W: Missing Blank Line separator, <400> field identifier
L:330 M:112 C: (48) String data converted to lower case,
L:335 M:283 W: Missing Blank Line separator, <400> field identifier
L:336 M:112 C: (48) String data converted to lower case,
L:341 M:283 W: Missing Blank Line separator, <400> field identifier
L:342 M:112 C: (48) String data converted to lower case,
L:347 M:283 W: Missing Blank Line separator, <400> field identifier
L:348 M:112 C: (48) String data converted to lower case,
L:353 M:283 W: Missing Blank Line separator, <400> field identifier
L:368 M:283 W: Missing Blank Line separator, <400> field identifier
L:369 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=36
L:376 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:376 M:283 W: Missing Blank Line separator, <400> field identifier
L:390 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:390 M:283 W: Missing Blank Line separator, <400> field identifier
L:403 M:283 W: Missing Blank Line separator, <400> field identifier
L:404 M:112 C: (48) String data converted to lower case,
L:409 M:283 W: Missing Blank Line separator, <400> field identifier
L:410 M:112 C: (48) String data converted to lower case,
L:415 M:283 W: Missing Blank Line separator, <400> field identifier
L:416 M:112 C: (48) String data converted to lower case,
L:421 M:283 W: Missing Blank Line separator, <400> field identifier
L:422 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=42
L:430 M:283 W: Missing Blank Line separator, <400> field identifier
L:431 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=43
L:438 M:283 W: Missing Blank Line separator, <400> field identifier
L:451 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY DATE: 10/29/2001
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Input Set : A:\09-857,815-sequence listing.txt
Output Set: N:\CRF3\10292001\I857815.raw

L:462 M:283 W: Missing Blank Line separator, <400> field identifier
L:479 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=47
L:489 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=48
L:497 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=49
L:505 M:112 C: (48) String data converted to lower case,